

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An organic light emitting diode (OLED) with at least one organic layer which has refractive index inhomogeneities, ~~characterized in that~~ wherein ~~one and the same~~ the organic layer has at least one first partial region and at least one second partial region which comprise organic material and have different refractive indices, and the partial regions form a layer with a composite-like structure.
2. (Currently amended) The OLED as claimed in claim 1, ~~characterized in that~~ wherein the different partial regions are formed by separation of the applied layer material.
3. (Currently amended) The OLED as claimed in ~~either of claims 1 and 2,~~ characterized ~~in that~~ claim 1, wherein the organic layer has charge carrier transport material and/or emitter material.
4. (Currently amended) The OLED as claimed in ~~one of claims 1 to 3,~~ ~~characterized in that~~ claim 1, wherein the organic layer has electrically inactive material.

5. (Currently amended) The OLED as claimed in ~~one of claims 1 to 4,~~  
~~characterized in that~~ claim 1, wherein the organic layer has at least two polymers with different refractive indices.

6. (Currently amended) The OLED as claimed in claim 1, ~~characterized in that~~ wherein  
the different first and second partial regions are produced in a layer made from a single type of a plastics material by means of local variation of a chemical and/or physical property.

7. (Currently amended) The OLED as claimed in claim 6, ~~characterized in that~~ wherein  
crystalline regions exist within an amorphous layer matrix material.

8. (Currently amended) The OLED as claimed in claim 6, ~~characterized in that~~ wherein  
the locally varying property is at least one of the properties degree of crosslinking, degree of branching density and copolymerization.

9. (Currently amended) A method for producing an organic light emitting diode (OLED)  
with at least one organic layer which has refractive index inhomogeneities ~~characterized in that~~  
wherein the material of the organic layer is applied to a carrier in such a way that, during or  
after the coating step, at least one first partial region and at least one second partial region  
form in the layer, said partial regions having different refractive indices, and the partial  
regions form a layer with a composite-like structure.

10. (Currently amended) The method as claimed in claim 9, ~~characterized in that~~ wherein the partial regions are formed by a separation process in the forming polymer layer from a mixture of soluble or dispersible polymers or monomers, in which at least two phases are produced.

11. (Currently amended) The method as claimed in ~~either of claims 9 and 10, characterized in that~~ claim 9, wherein charge carrier transport material and/or emitter material is used for the organic layer.

12. (Currently amended) The method as claimed in ~~one of claims 9 to 11, characterized in that~~ claim 9, wherein electrically inactive material is used for the organic layer.

13. (Currently amended) The method as claimed in claim 10 ~~or as claimed in one of the claims referred back to claim 10, characterized in that~~ , wherein the separation of the polymers is brought about by the removal of a solvent or a dispersant.

14. (Currently amended) The method as claimed in claim 10 ~~or as claimed in one of the claims referred back to claim 10, characterized in that~~ , wherein the separation of the polymers is caused by a separation of at least two solvents in which the at least two polymers are dissolved.

15. (Currently amended) The method as claimed in claim 10 ~~or as claimed in one of the claims referred back to claim 10, characterized in that~~ , wherein the separation of the polymers is caused by a separation of at least two dispersants in which the at least two polymers are dispersed.

16. (Currently amended) The method as claimed in claim 10 ~~or as claimed in one of the claims referred back to claim 10, characterized in that~~ , wherein the at least two different polymers are formed in the organic layer only during the coating method or thereafter by polymerization.